LIST OF CONTENTS

VOLUME 231

Page

ALEXANDER, R. McN., The relative merits of foregut and hindgut fermentation 391

ANDRIETTI, F., CANDIA CARNEVALI, M. D. and WILKIE, I. C., A biomechanical comparison of the lantern of the cidarid sea-urchin *Stylocidaris affinis* with the typical camarodont lantern 595

ANYONGE, W., Body mass in large extant and extinct carnivores 339

BAILEY, P. T. and KOVALISKI, J., Summer quiescent behaviour of the millipede *Ommatoiulus moreleti* (Julida: Julidae) 523

BARNETT, M., TELFORD, S. R. and DE VILLIERS, C. J., Sperm displacement in a millipede? An investigation into the genital morphology of the southern African spirostreptid millipede *Orthoporus pyrhocephalus* 511

BAUR, B., CHEN, X. and BAUR, A., Genital dimorphism in natural populations of the land snail *Chondrina clienta* and the influence of the environment on its expression .. 275

BENNETT, N. C., JARVIS, J. U. M. and COTTERILL, F. P. D., Poikilothermic traits and thermoregulation in the Afrotropical social subterranean Mashona mole-rat (*Cryptomys hottentotus darlingi*) (Rodentia: Bathyergidae) 179

BLACKWELL, S. B. and LE BOEUF, B. J., Developmental aspects of sleep apnoea in northern elephant seals, *Mirounga angustirostris* 437

BOSWELL, T., HALL, M. R. and GOLDSMITH, A. R., Annual cycles of migratory fattening, reproduction and moult in European quail (*Coturnix coturnix*) 627

BREITENMOSER, U., KAVCZENSKY, P., DÖTTERER, M., BREITENMOSER-WÜRSTEN, C., CAPT, S., BERNHART, F. and LIBEREK, M., Spatial organization and recruitment of lynx (*Lynx lynx*) in a re-introduced population in the Swiss Jura Mountains 449

BRIEF REVIEWS, *see* DOUGLAS, A. E., MCAULEY, P. J. and DAVIES, P. S. 175

BROWN, S. G. and O'BRIEN, J., Pseudosexual and dominance behaviour: their relationship to fecundity in the unisexual gecko, *Lepidodactylus lugubris* 61

CAPULA, M. and CORTI, M., Morphometric variation and divergence in the West Mediterranean *Discoglossus* (Amphibia: Discoglossidae) 141

CASOTTI, G., RICHARDSON, K. C. and BRADLEY, J. S., Ecomorphological constraints imposed by the kidney component measurements in honeyeater birds inhabiting different environments 611

CHOQUENOT, D., Growth, body condition and demography of wild banteng (*Bos javanicus*) on Cobourg Peninsula, northern Australia 533

DOUGLAS, A. E., MCAULEY, P. J. and DAVIES, P. S., Algal symbiosis in Cnidaria 175

DUNN, A. M., ADAMS, J. and SMITH, J. E., Is intersexuality a cost of environmental sex determination in *Gammarus duebeni*? 383

ELIOTT, S., TAIT, N. N. and BRISCOE, D. A., A pheromonal function for the crural glands of the onychophoran *Cephalofovea tomahmontis* (Onychophora: Peripatopsidae) .. 1

FANDOS, P. and REIG, S., Craniometric variability in two populations of roe deer (*Capreolus capreolus*) from Spain 39

GALES, R., GREEN, B., LIBKE, J., NEWGRAIN, K. and PEMBERTON, D., Breeding energetics and food requirements of gentoo penguins (*Pygoscelis papua*) at Heard and Macquarie Islands 125

GORMAN, M. L. (Ed.), Communications from the Mammal Society – No. 67 645
Capturing free-tailed bats (Chiroptera: Molossidae): the description of a new trapping device, by F. P. D. COTTERILL and R. A. FERGUSSON, p. 645; When to stop lekking: density-related variation in the rutting behaviour of sika deer, by A. BALMFORD, L. BARTOŠ, P. BROTHERTON, H. HERRMANN, J. LANCINGEROVA, J. MÍKA and U. ZEEB, p. 652; Analysis of the diets of Leisler's *Nyctalus leisleri*, Daubenton's *Myotis daubentoni* and pipistrelle *Pipistrellus pipistrellus* bats in Ireland, by C. M. SULLIVAN, C. B. SHIEL, C. M. MCANEY and J. S. FAIRLEY, p. 656; The spread of the grey squirrel (*Sciurus carolinensis*) into Cumbria since 1960 and its present distribution, by V. P. W. LOWE, p. 663; Badger damage to growing oats and an assessment of electric fencing as a means of its reduction, by C. J. WILSON, p. 668; Heavy metals in the livers of otters, *Lutra lutra*, from Ireland, by C. F. MASON and W. M. SULLIVAN, p. 675; Analysis of brown hyaena (*Hyaena brunnea*) scats from the central karoo, South Africa, by A. H. MADDOCK, p. 679; A note on the summer feeding behaviour and habitat use of free-ranging goats (*Capra*) in the Cheddar Gorge SSSI, by J. E. SMITH and D. J. BULLOCK, p. 683; The ship rat (*Rattus rattus*) on Lundy, 1991, by P. A. SMITH, J. A. SMITH, F. H. TATTERSALL, V. LANCASTER, S. E. NATYNCZUK and R. S. SEYMOUR, p. 689.

GRANT, W. S. and LESLIE, R. W., Biochemical divergence and biogeography of anglerfish of the genus *Lophius* (Lophiiformes) 465

GRIFFITHS, R. A., The effect of pH on feeding behaviour in newt larvae (*Triturus*: Amphibia) 285

JOHNSEN, S. and KIER, W. M., Intramuscular crossed connective tissue fibres: skeletal support in the lateral fins of squid and cuttlefish (Mollusca: Cephalopoda) 311

KAM, M. and DEGEN, A. A., Effect of dietary preformed water on energy and water budgets of two sympatric desert rodents, *Acomys russatus* and *Acomys cahirinus* 51

KAUHALA, K., HELLE, E. and TASKINEN, K., Home range of the raccoon dog (*Nyctereutes procyonoides*) in southern Finland 95

KIRKWOOD, J. K. and KEMBER, N. F., Comparative quantitative histology of mammalian growth plates 543

LEE, W. B. and HOUSTON, D. C., Tooth wear patterns in voles (*Microtus agrestis* and *Clethrionomys glareolus*) and efficiency of dentition in preparing food for digestion 301

MCKENZIE, A. A. and WEBER, A., Loose front teeth: radiological and histological correlation with grooming function in the impala *Aepyceros melampus* 167

MIAUD, C., Predation on newt eggs (*Triturus alpestris* and *T. helveticus*): identification of predators and protective role of oviposition behaviour 575

MOORE, P. G., MORRITT, D. and STEVENSON, T. D. I., Morphology of the antennary gland exit duct in ecological and phylogenetic series of talitroid Amphipoda (Crustacea) 187

OLI, M. K., A key for the identification of the hair of mammals of a snow leopard (*Panthera uncia*) habitat in Nepal 71

OLI, M. K., TAYLOR, I. R. and ROGERS, M. E., Diet of the snow leopard (*Panthera uncia*) in the Annapurna Conservation Area, Nepal 365

ORMEROD, S. J. and TYLER, S. J., The adaptive significance of brood size and time of breeding in the dipper *Cinclus cinclus* (Aves: Passeriformes) as seen from post-fledging survival 371

READ, A. J., WELLS, R. S., HOHN, A. A. and SCOTT, M. D., Patterns of growth in wild bottlenose dolphins, *Tursiops truncatus* 107

RENOUF, D., Play in a captive breeding colony of harbour seals (*Phoca vitulina*): constrained by time or by energy? 351

RIEPPEL, O., Studies on skeleton formation in reptiles: Patterns of ossification in the skeleton of *Chelydra serpentina* (Reptilia, Testudines) 487

ROBERTSON, I. C., Nest intrusions, infanticide, and parental care in the burying beetle, *Nicrophorus orbicollis* (Coleoptera: Silphidae) 583

ROBINSON, M. F. and STEBBINGS, R. E., Food of the serotine bat, *Eptesicus serotinus* – is faecal analysis a valid qualitative and quantitative technique? 239

ROSEN, D. A. S. and RENOUF, D., Sex differences in the nursing relationship between mothers and pups in the Atlantic harbour seal, *Phoca vitulina concolor* 291

SPEAKMAN, J. R. and WEBB, P. I., Taxonomy, status and distribution of the Azorean bat (*Nyctalus azoreum*) 27

SULLIVAN, M. S. and HILLGARTH, N., Mating system correlates of tarsal spurs in the Phasianidae 203

SUMMERS, R. W., STANSFIELD, J., PERRY, S., ATKINS, C. and BISHOP, J., Utilization, diet and diet selection by brent geese *Branta bernicla bernicla* on salt-marshes in Norfolk .. 249

TATNER, P. and BRYANT, D. M., Interspecific variation in daily energy expenditure during avian incubation 215

VANNINI, M., CONTI, A., FERRETTI, J. and BECCIOLINI, A., Trophic exchange in *Pardosa hortensis* (Lycosidae, Araneae) 163

WALKER, B. G. and BOWEN, W. D., Changes in body mass and feeding behaviour in male harbour seals, *Phoca vitulina*, in relation to female reproductive status 423

WANLESS, S., CORFIELD, T., HARRIS, M. P., BUCKLAND, S. T. and MORRIS, J. A., Diving behaviour of the shag *Phalacrocorax aristotelis* (Aves: Pelecaniformes) in relation to water depth and prey size 11

WICKINGS, E. J., BOSSI, T. and DIXSON, A. F., Reproductive success in the mandrill, *Mandrillus sphinx*: correlations of male dominance and mating success with paternity, as determined by DNA fingerprinting 563

YU, H.-T., Natural history of small mammals of subtropical montane areas in central Taiwan 403

ZAMMIT MAEMPEL, G., Skeletal pathology and congenital variations in the Maltese Pleistocene hippopotamus 157

ZUBAID A. and GORMAN, M. L., The effect of supplementary feeding upon the sizes of the home ranges of woodmice *Apodemus sylvaticus* living on a system of maritime sand-dunes 233